Mountain Weather Forecast

Lake District National Park

Forecast valid from 06:00 on Tuesday 02 Feb 2021 until 23:59 on Wednesday 03 Feb 2021

Forecast Issued on Tuesday 02 Feb 2021 at 02:33

Confidence: High confidence in the forecast for Tuesday and Wednesday although snow amounts may vary on the hills, however decreasing confidence from Thursday, please continue to follow for updates.

Headline for Tuesday 02 Feb 2021: Heavy and persistent snowfall on the fells with strong winds, gales on the tops, blizzards are likely.

Mountain weather hazards on Tuesday 02 Feb 2021

Blizzards Medium Likelihood	**Heavy Snow** Medium Likelihood	**Storm force winds** No Likelihood
Gales Medium Likelihood	**Severe chill effect** Medium Likelihood	**Poor visibility** Medium Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 800m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Heavy snow	Heavy snow	Light snow	Heavy Rain	Heavy Rain	Heavy Rain
Precipitation probability					
90%	70%	60%	70%	90%	70%

Forecast for Tuesday 02 Feb 2021

Weather: A band of rain, sleet and snow will move east across the Lake District, falling as snow above 200m but turning increasingly to rain and sleet at lower level during the afternoon as freezing level rises. Strong winds will accompany the snow causing blizzards higher on the fells and with a significant wind chill it will be quite difficult walking and navigation conditions. Snow clearing east in the afternoon with some drier and brighter spells expected but further light rain or sleet is expected during the evening.

Chance of cloud free mountain/hill tops above 800m: 10% or less, with significant snow and sleet expected for most of the day it is likely that fell tops will be covered in cloud from above 300m, there will be a few breaks in the afternoon, chances perhaps increasing to 30% but still some patches of lower cloud at times, lower cloud becoming extensive again later.

Visibility: Visibility will be poor for much of the morning in snow/sleet, during heavier snowfall it will become very poor or even whiteout conditions from time to time. Low cloud will shroud the fells for much of the day with tricky navigation likely. During the afternoon visibility will improve moderate or good for a time with cloud rising to near or above summit level.

Check our weather forecast every day to get the most accurate and up to date information
http://www.metoffice.gov.uk/public/weather/mountain-forecast
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Mountain Weather Forecast

Forecast for Tuesday 02 Feb 2021

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	46/54 E	45/55 E	30/39 SE	24/32 SE	28/37 E	30/39 E	24/32 E
600	34/44 E	38/51 E	34/47 SE	25/35 SE	26/37 E	29/41 E	24/35 E
300	16/37 E	18/39 E	15/33 SE	10/22 SE	14/33 E	16/35 E	11/27 E
Valley	17/38 E	19/40 E	15/32 E	11/23 E	16/34 E	18/37 E	14/30 E

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	-4/-15	-3/-14	-0/-8	1/-6	-0/-8	-1/-9	0/-7
600	-2/-12	-2/-11	-2/-11	-0/-8	0/-7	0/-8	0/-7
300	-1/-7	-1/-8	1/-5	2/-2	2/-3	2/-3	2/-2
Valley	1/-5	1/-5	2/-3	4/-0	4/-1	4/-1	4/0
Freezing Level*	100m	200m	300m	900m	1000m	1000m	1100m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Gales will cause blizzard/whiteout conditions at higher levels at times with a significant wind chill likely, note the freezing level rising rapidly during the afternoon and evening.

Forecast for Wednesday 03 Feb 2021

Weather: Further outbreaks of rain and sleet with freezing level likely to be around 1000m. Poorest conditions in the west of the Lake District with a few cloud breaks or brighter spells in the east. There will be some dry periods but these will be hard to pinpoint.

Maximum wind: Southeasterly 15-20mph.

Chance of cloud free mountain/hill tops above 800m: 40% there will be periods of low cloud shrouding the tops in outbreaks of rain and sleet but in between times the cloud should lift for periods above the summits.

Visibility: Visibility will be poor or very poor in outbreaks of sleet with cloud becoming extensive over the fells from 500m to the summits, in drier periods cloud will thin and break with just patches from 700m and above.

Temperature: **Valleys:** Plus 1 rising to 6 Celsius.
At 800m: Plus 2 Celsius falling to minus 1 Celsius later.
Freezing level: Around 1400m falling to 800m later.

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Mountain Weather Forecast

Ground Conditions Supplement
Date: Monday 1 February 2021. Location: Helvellyn summit at 12:10. Full report: The following report, will give you an idea of what ground any fresh snow will be covering. Ground conditions have changed little over the past 48 hours. Below 700m many paths were dry; however patches of ice were encountered at all levels especially on drainage lines or flatter ground where water had been able to thaw prior to freezing. The main snow line is around 700m; however depth and coverage varies enormously from nothing at all on windswept areas and many S and W facing slopes, to drifts deep enough to swallow a 70cm ice axe – although such depth is the exception. The largest accumulations of snow are to be found on E and N facing aspects. The snow was hard and occasionally icy. Any fresh snow falling on this old snow will not bond to it potentially creating an unstable layer and this must be considered for anyone attempting, or traversing, exposed ground above 700m on predominantly E or N facing slopes. Small cracks have appeared in some of the cornices that exist above N and E facing slopes, so please keep well clear of such edges and advise those with less experience to do likewise. Upland tarns, such as Red Tarn, have frozen. It is likely that on Tuesday they could be hidden under fresh snow. This combined with slightly milder temperatures will make them extremely dangerous to walk on. Temperature: minus 3.4 C, Maximum wind speed 10.8 mph, Wind chill: minus 10.2 C, Average wind speed: 9.8 mph

Issued at: 02:33 on Tue 02 Feb 2021

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